

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	8	(US-5852243-\$ or US-5557040-\$ or US-5541413-\$ or US-5428544-\$ or US-3992105-\$ or US-5652522-\$ or US-4274091-\$ or US-5218206-\$).did.	USPAT	OR	ON	2009/09/02 12:10
L6	6	L5 and (road surface highway roadway pavement) near3 (ice rain condition sleet water snow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:10
L7	4	L6 and (diffus\$5 mirror reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:10
L9	2389	((340/905,901,583) or (250/339.11)).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/02 12:19
L10	10394	"10" and ((diffuse and mirror) same reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:19
L11	51	9 and ((diffuse and mirror) same reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:19
L12	609	9 and (road surface highway roadway pavement) near3 (ice rain condition sleet water snow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:22

L13	234	12 and filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:22
L14	13	13 and ((diffus\$4 and mirror) same reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:23
L15	53	11 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:23
L16	93	9 and polarization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:23
L17	71	16 and filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:23
L18	28	17 and (road surface highway roadway pavement) near3 (ice rain condition sleet water snow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:23
L19	73	14 15 18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:24
L20	60	19 and (light optical) and (strength intensity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:24

L21	16	(US-5852243-\$ or US-5699056-\$ or US-5557040-\$ or US-5541413-\$ or US-5428544-\$ or US-3992105-\$ or US-5652522-\$ or US-4274091-\$ or US-5218206-\$ or US-5962853-\$ or US-5475370-\$ or US-5617076-\$ or US-5243185-\$ or US-7119336-\$ or US-6680479-\$ or US-5650610-\$).did.	USPAT	OR	ON	2009/09/02 12:55
L23	53	("3836846"   "4274091"   "4690553"   "4786815"   "4884584"   "5198875"   "5428544"   "5541413"   "5557040"   "5652522"   "5652655"   "5699056"   "5710554"   "5844682"   "5852243"   "5963148"   "5218206"   "5962853"   "6166645"   "6173231"   "6178374"   "6370475"   "6538578"   "6720920"   "7271737").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:55
L24	44	23 not 21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 12:55
S1	23	("3836846"   "4274091"   "4690553"   "4844584"   "5198875"   "5428544"   "5541413"   "5557040"   "5652522"   "5852243").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 09:36
S2	210	("5652655" "4332437" "5844682" "4794391" "4891541" "5555339" "4351557" "4452527" "4632543" "4839579" "5436807" "5497573" "5570945" "5646471" "5660454" "5673039" "5683165" "6091484" "6092318" "6093999" "4274091" "4277821" "4303965" "4358217" "4455055" "4528986" "4595312" "4765434" "4767925" "4774643" "4787665" "4809541" "4894761" "4904998" "4993868" "5005004" "5196058" "5267914"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 10:00

		"5382811" "5412492" "5416627" "5432876" "5435663" "5469342" "5523926" "5575552" "5576097" "5635728" "5670209" "5772547" "5774569" "5831717" "5931576" "6076895" "6148656" "6166856" "6168297" "6200010" "6225371" "6225371" "6234647" "4245888" "4252409" "4253415" "4284365" "4294204" "4327316" "4340332" "4363085" "4385771" "4405031" "4406045" "4409643" "4427211" "4435078" "4463702" "4480296" "4500113" "4505590" "4507717" "4515393" "4530042" "4538713" "4569495" "4570210" "4572613" "4575189" "4575788" "4585910" "4613846" "4629754" "4631516" "4758931" "4767122" "4768135" "4772988" "4779179" "4786815" "4803470" "4811171" ).pn.				
S3	17	("5699056" "5428544" "5852243" "5541413" "5198875" "5557040" "4844584" "3992105").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 10:05
S4	2	"ep 558927"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 10:05
S5	2	"4690553".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 07:31
S6	4	("5218206"   "5962853"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 07:39

S7	10	("5428544" "5852243" "5541413" "5198875" "5699056").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:10
S8	390	("2074251"   "2274091"   "2404064"   "2516672"   "2562525"   "2634908"   "2650307"   "2706253"   "2775160"   "2816233"   "2897371"   "3017512"   "3045223"   "3048699"   "3060793"   "3153722"   "3201750"   "3373281"   "3433052"   "3440396"   "3451254"   "3457412"   "3471698"   "3540025"   "3562642"   "3575641"   "3603952"   "3653765"   "3661462"   "3675019"   "3693025"   "3700898"   "3734621"   "3735136"   "3747755"   "3783284"   "3790286"   "3803414"   "3873927"   "3891979"   "3904880"   "3994586"   "4010383"   "4015127"   "4051466"   "4052666"   "4068133"   "4075462"   "4085326"   "4222044"   "4242673"   "4274091"   "4320967"   "4335613"   "4345150"   "4345840"   "4363966"   "4406165"   "4406545"   "4410273"   "4427889"   "4433239"   "4488568"   "4490845"   "4511842"   "4527062"   "4540283"   "4590574"   "4602342"   "4613764"   "4616134"   "4622845"   "4652756"   "4653908"   "4656333"   "4663961"   "4677298"   "4690553"   "4692751"   "4701613"   "4706086"   "4718026"   "4736103"   "4739177"   "4745803"   "4754149"   "4771629"   "4787750"   "4808824"   "4817206"   "4822169"   "4840706"   "4854705"   "4883963"   "4926336"   "4960996"   "4965452"   "4986659"   "4987296"   "4996430"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/08 08:22

		"5015931"   "5029101"   "5031104"   "5036203"   "5070242"   "5105129"   "5105157"   "5117363"   "5120961"   "5126941"   "5133081"   "5164904"   "5180122"   "5214793"   "5216372"   "5218206"   "5272351"   "5272638"   "5293163"   "5313200"   "5343399"   "5369588"   "5402117"   "5428542"   "5428544").PN. OR ("5497100"   "5521594"   "5586028").PN. OR ("3992105"   "4274091"   "5218206"   "5428544"   "5541413"   "5557040"   "5652522"   "5699056"   "5852243"   "5962853"). URPN.				
S9	10	(US-5852243-\$ or US- 5699056-\$ or US-5557040- \$ or US-5541413-\$ or US- 5428544-\$ or US-3992105- \$ or US-5652522-\$ or US- 4274091-\$ or US-5218206- \$ or US-5962853-\$).did.	USPAT	OR	ON	2009/06/08 08:22
S11	393	S8 S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:38
S12	0	S11 and ((diffuse adj reflect \$4) and (mirror adj reflect \$4)) and (light same angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:39
S13	0	S11 and ((diffuse adj reflect \$4) and (mirror adj reflect \$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:39
S14	1162	((diffuse adj reflect\$4) and (mirror adj reflect\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:39

S15	1	((diffuse adj reflect\$4) and (mirror adj reflect\$4)) same ((first adj (detector sensor)) and (second adj (sensor detector)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:40
S16	4	((diffuse adj reflect\$4) and (mirror adj reflect\$4)) same (detector sensor) ) and ((polarized polarization) with filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:41
S17	4	S14 and ((road roadway highway) near8 (ice snow wet\$4 water))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:45
S18	8	((road roadway highway) near8 (ice snow wet\$4 water)) with (shutter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/08 08:57
S24	8	(US-5852243-\$ or US-5557040-\$ or US-5541413-\$ or US-5428544-\$ or US-3992105-\$ or US-5652522-\$ or US-4274091-\$ or US-5218206-\$).did.	USPAT	OR	ON	2009/06/09 10:44
S25	288	("2074251"   "2274091"   "2404064"   "2516672"   "2562525"   "2634908"   "2650307"   "2706253"   "2775160"   "2816233"   "2897371"   "3017512"   "3045223"   "3048699"   "3060793"   "3153722"   "3201750"   "3373281"   "3433052"   "3440396"   "3451254"   "3457412"   "3471698"   "3540025"   "3562642"   "3575641"   "3603952"   "3653765"   "3661462"   "3675019"   "3693025"   "3700898"   "3734621"   "3735136"   "3747755"   "3783284"   "3790286"   "3803414"   "3873927"   "3891979"   "3904880"   "3994586"   "4010383"   "4015127"   "4051466"   "4052666"   "4068133"   "4075462"   "4085326"   "4222044"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/09 10:44

		"4242673"   "4274091"   "4320967"   "4335613"   "4345150"   "4345840"   "4363966"   "4406165"   "4406545"   "4410273"   "4427889"   "4433239"   "4488568"   "4490845"   "4511842"   "4527062"   "4540283"   "4590574"   "4602342"   "4613764"   "4616134"   "4622845"   "4652756"   "4653908"   "4656333"   "4663961"   "4677298"   "4690553"   "4692751"   "4701613"   "4706086"   "4718026"   "4736103"   "4739177"   "4745803"   "4754149"   "4771629"   "4787750"   "4808824"   "4817206"   "4822169"   "4854705"   "4883963"   "4926336"   "4960996"   "4965452"   "4986659"   "4987296"   "4996430"   "5015931"   "5029101"   "5031104"   "5036203"   "5070242"   "5105129"   "5105157"   "5120961"   "5126941"   "5216372"   "5272351"   "5272638"   "5293163"   "5313200"   "5497100"   "5521594"   "5586028"). PN. OR ("3992105"   "4274091"   "5218206"   "5428544"   "5541413"   "5557040"   "5652522"   "5852243").URPN.				
S26	293	S24 S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/09 10:44
S27	11	S26 and shutter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/09 10:44
S30	8	(US-5852243-\$ or US- 5557040-\$ or US-5541413- \$ or US-5428544-\$ or US- 3992105-\$ or US-5652522- \$ or US-4274091-\$ or US- 5218206-\$).did.	USPAT	OR	ON	2009/06/19 13:49



S31	7	S30 and (angle degrees)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 13:50
S32	8	(US-5852243-\$ or US-5557040-\$ or US-5541413-\$ or US-5428544-\$ or US-3992105-\$ or US-5652522-\$ or US-4274091-\$ or US-5218206-\$).did.	USPAT	OR	ON	2009/06/19 14:25
S33	3	S32 and (polarization polarisation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 14:26
S34	288	("2074251"   "2274091"   "2404064"   "2516672"   "2562525"   "2634908"   "2650307"   "2706253"   "2775160"   "2816233"   "2897371"   "3017512"   "3045223"   "3048699"   "3060793"   "3153722"   "3201750"   "3373281"   "3433052"   "3440396"   "3451254"   "3457412"   "3471698"   "3540025"   "3562642"   "3575641"   "3603952"   "3653765"   "3661462"   "3675019"   "3693025"   "3700898"   "3734621"   "3735136"   "3747755"   "3783284"   "3790286"   "3803414"   "3873927"   "3891979"   "3904880"   "3994586"   "4010383"   "4015127"   "4051466"   "4052666"   "4068133"   "4075462"   "4085326"   "4222044"   "4242673"   "4274091"   "4320967"   "4335613"   "4345150"   "4345840"   "4363966"   "4406165"   "4406545"   "4410273"   "4427889"   "4433239"   "4488568"   "4490845"   "4511842"   "4527062"   "4540283"   "4590574"   "4602342"   "4613764"   "4616134"   "4622845"   "4652756"   "4653908"   "4656333"   "4663961"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/19 14:29

		"4677298"   "4690553"   "4692751"   "4701613"   "4706086"   "4718026"   "4736103"   "4739177"   "4745803"   "4754149"   "4771629"   "4787750"   "4808824"   "4817206"   "4822169"   "4854705"   "4883963"   "4926336"   "4960996"   "4965452"   "4986659"   "4987296"   "4996430"   "5015931"   "5029101"   "5031104"   "5036203"   "5070242"   "5105129"   "5105157"   "5120961"   "5126941"   "5216372"   "5272351"   "5272638"   "5293163"   "5313200"   "5497100"   "5521594"   "5586028"). PN. OR ("3992105"   "4274091"   "5218206"   "5428544"   "5541413"   "5557040"   "5652522"   "5852243").URPN.				
S44	8	(US-5852243-\$ or US- 5557040-\$ or US-5541413- \$ or US-5428544-\$ or US- 3992105-\$ or US-5652522- \$ or US-4274091-\$ or US- 5218206-\$).did.	USPAT	OR	ON	2009/09/02 08:32
S45	8	(US-5852243-\$ or US- 5557040-\$ or US-5541413- \$ or US-5428544-\$ or US- 3992105-\$ or US-5652522- \$ or US-4274091-\$ or US- 5218206-\$).did.	USPAT	OR	ON	2009/09/02 08:32
S46	6	S45 and (road surface highway roadway pavement) near3 (ice rain condition sleet water snow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 08:33
S47	4	S46 and (diffuse mirror reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 08:34
S48	3	S47 and filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/02 08:34

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	39	((340/905,901,583) or (250/339.11)).OCLS.	UPAD	OR	OFF	2009/09/02 12:18
L22	3	"Term Removed"	USPAT	OR	ON	2009/09/02 12:55
S19	45	((340/905,901,583) or (250/339.11)).OCLS.	UPAD	OR	OFF	2009/06/08 08:26
S20	9	S19 and (ice water snow sleet)	USPAT; UPAD	OR	ON	2009/06/08 08:26
S21	12600	(detect\$4 sens\$4) near10 ((condition ice water snow) with (surface road highway roadway))	USPAT; UPAD	OR	ON	2009/06/08 08:28
S22	2770	S21 and light and filter	USPAT; UPAD	OR	ON	2009/06/08 08:29
S23	59	S22 and ((diffuse and mirror) same reflect\$4)	USPAT; UPAD	OR	ON	2009/06/08 08:30
S28	4	"Term Removed"	USPAT	OR	ON	2009/06/09 10:44
S29	4	"Term Removed"	USPAT	OR	ON	2009/06/09 10:44
S35	4	"Term Removed"	USPAT	OR	ON	2009/06/19 13:49
S36	4	"Term Removed"	USPAT	OR	ON	2009/06/19 14:25
S37	185	("3603458"   "3801182"   "3994586"   "4274091"   "4318003"   "4701052"   "4706086"   "4806776"   "4840706"   "4919534"   "5117363"   "5126941"   "5133081"   "5139339"   "5164904"   "5180122"   "5197105"   "5198575"   "5214793"   "5218206"   "5243185"   "5293163"   "5343399"   "5369588"   "5402117"   "5428542"   "5428544"   "5554262"   "5570217").PN. OR ("5475370"   "5699056"   "5844682"   "5962853").URPN.	US-PGPUB; USPAT	OR	ON	2009/06/19 14:29
S38	12	S37 and ((polarization polarisation) with (analyzer filter))	US-PGPUB; USPAT	OR	ON	2009/06/19 14:29

S39	4916	brewster\$4 adj3 angle	US-PGPUB; USPAT	OR	ON	2009/06/19 14:54
S40	1599	S39 and ((ice water snow dry))	US-PGPUB; USPAT	OR	ON	2009/06/19 14:54
S41	164	S40 and (vehicle automobile)	US-PGPUB; USPAT	OR	ON	2009/06/19 14:54
S42	109	S41 and (filter)	US-PGPUB; USPAT	OR	ON	2009/06/19 14:54
S43	26	S42 and (road\$4)	US-PGPUB; USPAT	OR	ON	2009/06/19 14:58
S49	8	"Term Removed"	USPAT	OR	ON	2009/09/02 08:32
S50	8	"Term Removed"	USPAT	OR	ON	2009/09/02 08:32

**9/ 2/ 09 1:22:04 PM**

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roadsurfaceconditiondetector.wsp**